

What is claimed is:

1. A bonding member, comprising:

a ceramics member having a concave portion;

5 a metal member which has a convex portion fitted to the concave portion;

a first bonding material which joins a bottom portion of the concave portion of the ceramics member and a tip portion of the convex portion of the metal member and has a porous structure including particles and brazing
10 filler metal that covers a corner between tip and side portions of the metal member; and

a second bonding material which includes brazing filler metal that joins a side portion of the concave portion of the ceramics member and a side portion of the convex portion of the metal member.

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2. The bonding member of claim 1, wherein, when a corner radius between tip and side portions of the convex portion is $R1$ and a corner radius between bottom and side portions of the concave portion is $R2$, a condition of $R1 \geq R2 \times 0.6$ is satisfied.

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3. The bonding member of claim 1, wherein a corner radius between tip and side portions of the convex portion is not less than 0.3 mm.

4. The bonding member of claim 1, further comprising a vent hole which
25 penetrates in any of a vertical direction and a horizontal direction inside the convex portion from a bottom portion of the convex portion.

5. An electrostatic chuck for absorbing an object to be processed, the electrostatic chuck, comprising:

a substrate which includes an electrode therein and has a concave
5 terminal bonding hole;

a terminal which is a member made of a different material from that of the substrate and supplies power to the electrode;

a bottom portion bonding material which joins a bottom portion of the terminal bonding hole and a tip portion of the terminal and has a porous
10 structure including particles and brazing filler metal that covers a corner between tip and side portions of the terminal; and

a side portion bonding material which includes brazing filler metal that joins a side portion of the terminal bonding hole and the side portion of the terminal.

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6. The electrostatic chuck of claim 5, wherein, when a corner radius between the tip and side portions of the terminal is $R1$ and a corner radius between the bottom and side portions of the terminal bonding hole is $R2$, a condition of $R1 \geq R2 \times 0.6$ is satisfied.

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7. The electrostatic chuck of claim 5, wherein a corner radius between the tip and side portions of the terminal is not less than 0.3 mm.

8. The electrostatic chuck of claim 5, wherein a thickness of the side portion
25 bonding material is 0.008 to 0.012 times a diameter of the terminal.

9. The electrostatic chuck of claim 5, further comprising a bonding material housing hole which houses brazing filler metal before bonding inside a convex tip of the terminal.

5 10. The electrostatic chuck of claim 5, further comprising a vent hole which penetrates in any of a vertical direction and a horizontal direction inside the terminal from a bottom portion of the terminal.